REMARKS

This is in full and timely response to the Office Action mailed on June 24, 2005. Reexamination in light of the amendments and the following remarks is respectfully requested.

Claims 1, 8-10 and 15-27 are currently pending in this application, with claims 1 and 18 being independent.

No new matter has been added.

Claim rejections

Paragraph 2 of the Office Action includes a rejection of claims 1-3, 5-8, and 10 under 35 U.S.C. §102 as allegedly being anticipated by U.S. Patent No. 3,774,890 to Lemelson.

Paragraph 3 of the Office Action includes a rejection of claims 4 and 9 under 35 U.S.C. §103 to Lemelson in view of U.S. Patent Application Publication No. 2002/0045126 to Watanabe et al. (Watanabe).

At least for the following reasons, if the allowance of the claims is not forthcoming at the very least and a new ground of rejection made, then a ***new non-final Office Action*** is respectfully requested.

These rejections are traversed at least for the following reasons.

The features of claim 6 have been wholly incorporated into claim 1 to form amended claim 1. Thus, original claim 6 is now amended claim 1. This proposed amendment also includes the cancellation of claims 2 and 5-7 since the subject matter of those claims are found within the amended claim 1.

Amended claim 1 includes a drive device for driving at least one of the mold and the heating device in the barrel axis direction of the superconducting coil.

Lemelson arguably teaches an apparatus having an electrical induction coil 24 and a second coil 24 (Lemelson at figure 1, column 3, lines 61 and 67). The Office Action intends coils 24 and 25 of Lemelson to be the superconducting coil found within the claims of the client's application (Office Action at page 2). The Office Action contends that Lemelson teaches the presence of a mold die 16 (Office Action at page 2). Moreover, the Office Action contends that Lemelson teaches the use of an electrical induction coil 24 surrounding the chamber 12 and controllably operable to heat the material within the chamber, and further contends that this heating element would follow before the operation of the electromagnet's coil 25 onto the material processed within the apparatus (Office Action at page 3).

While Lemelson arguably teaches the presence of a shaft 22 (Lemelson at figure 1, column 2, line 48), the Office Action fails to show the presence within Lemelson of the shaft 22 driving at least one of the mold die 16 and the alleged heating device.

Thus, the Office Action fails to show the presence within Lemelson of a drive device for driving either the mold or the heating device in the barrel axis direction of the superconducting coil.

Watanabe arguably teaches photo-curable resin compositions and a process for preparing a resin-based mold. Nevertheless, Watanabe fails to disclose, teach or suggest the features deficient from within Lemelson. In particular, Watanabe fails to disclose, teach or suggest a drive device for driving at least one of the mold and the heating device in the barrel axis direction of the superconducting coil.

Withdrawal of this rejection and allowance of the claims is respectfully requested.

Conclusion

For the foregoing reasons, all the claims now pending in the present application are allowable, and the present application is in condition for allowance. Accordingly, favorable reexamination and reconsideration of the application in light of the amendments and remarks is courteously solicited.

If the Examiner has any comments or suggestions that could place this application in even better form, the Examiner is requested to telephone Brian K. Dutton, Reg. No. 47,255, at 202-955-8753.

If any fee is required or any overpayment made, the Commissioner is hereby authorized to charge the fee or credit the overpayment to Deposit Account # 18-0013.

Dated: September 14, 2005   Respectfully submitted,

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